

§ 63.01-1

Subpart 63.20—Additional Control System Requirements

63.20-1 Specific control system requirements.

Subpart 63.25—Requirements for Specific Types of Automatic Auxiliary Boilers

- 63.25-1 Small automatic auxiliary boilers.
- 63.25-3 Electric hot water supply boilers.
- 63.25-5 Fired thermal fluid heaters.
- 63.25-7 Exhaust gas boilers.
- 63.25-9 Incinerators.

AUTHORITY: 46 U.S.C. 3306, 3703; E.O. 12234, 45 FR 58801, 3 CFR, 1980 Comp., p. 277; Department of Homeland Security Delegation No. 0170.1.

SOURCE: CGD 88-057, 55 FR 24238, June 15, 1990, unless otherwise noted.

Subpart 63.01—General Provisions

§ 63.01-1 Purpose.

This part specifies the minimum requirements for safety for each automatic auxiliary boiler, including its design, construction, testing, and operation.

§ 63.01-3 Scope and applicability.

(a) This part contains the requirements for automatic auxiliary boilers, including their controls, control system components, electrical devices, safety devices, and accessories. Types of automatic auxiliary boilers which are covered include large and small automatic auxiliary boilers, automatic heating boilers, automatic waste heat boilers, donkey boilers, miniature boilers, electric boilers, fired thermal fluid heaters, automatic incinerators, and electric hot water supply boilers. Automatic auxiliary boilers are classified by their service, control systems, pressure and temperature boundaries, heat input ratings, and firing mediums as follows:

(1) Automatic auxiliary boilers listed in Table 54.01-5(A) of this chapter which reference this part for regulation of their automatic controls.

(2) Automatic control systems for automatic auxiliary boilers having a heat input rating of less than 12,500,000 Btu/hr. (3.66 megawatts).

(3) Electric hot water supply boilers (heaters) containing electric heating elements rated at 600 volts or less.

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(4) Exhaust gas boilers, and their controls and accessories used to heat water and/or generate steam.

(5) Incinerators (and their control systems) used for the generation of steam and/or oxidation of ordinary waste materials and garbage. This part also includes incinerators which serve as automatic auxiliary boilers.

(6) Fired thermal fluid heaters and their controls.

(b) *Exceptions.* Automatic boilers having heat input ratings of 12,500,000 Btu/hr. (3.66 megawatts) and above must meet the requirements of part 52 of this chapter. Their control systems must meet the requirements of part 62 of this chapter. Electric cooking equipment must comply with §111.77-3 of this chapter. Electric oil immersion heaters must comply with part 111, subpart 111.85 of this chapter. Electric air heating equipment must comply with part 111, subpart 111.87 of this chapter.

[CGD 88-057, 55 FR 24238, June 15, 1990, as amended by USCG-2002-13058, 67 FR 61278, Sept. 30, 2002; USCG-2004-18884, 69 FR 58346, Sept. 30, 2004]

Subpart 63.05—Reference Specifications

§ 63.05-1 Incorporation by reference.

(a) Certain materials are incorporated by reference into this part with the approval of the Director of the Federal Register in accordance with 5 U.S.C. 552(a). To enforce any edition other than the one listed in paragraph (b) of this section, notice of change must be published in the FEDERAL REGISTER and the material made available to the public. All approved material is on file at the U.S. Coast Guard, Office of Design and Engineering Standards (G-MSE), 2100 Second Street SW., Washington, DC 20593-0001, and is available from the sources listed in paragraph (b) of this section or at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call 202-741-6030, or go to: http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html.

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(b) The material approved for incorporation by reference in this part and the sections affected are:

*American Society of Mechanical Engineers
(ASME) International*

Three Park Avenue, New York, NY 10016-5990
ANSI/ASME CSD-1-1982 with Addenda
CSD-1a-1984, Controls and Safety
Devices for Automatically Fired
Boilers, November 15, 1984.....63.10-1; 63.15-
1; 63.20

*American Society for Testing and Materials
(ASTM)*

100 Barr Harbor Drive, West Conshohocken,
PA 19428-2959.
ASTM F 1323-98, Standard Specifica-
tion for Shipboard Incinerators.....63.25-9

International Maritime Organizations (IMO)

Publications Section, 4 Albert Embankment,
London, SE1 7SR United Kingdom
Resolution MEPC.59(33), Revised
Guidelines for the Implementation
of Annex V of MARPOL 73/7863.25-9

International Organization for Standardization

Case postale 56, CH-1211, Geneve 2009
Shipbuilding-Shipboard Incinerators-
Requirements, 13617 (1995).....63.25-9

Underwriters' Laboratories, Inc. (UL)

12 Laboratory Drive, Research Triangle
Park, NC 27709-3995
ANSI/UL-174, Standard for Household
Electric Storage Tank Water
Heaters, Seventh Edition, April 18,
1983 (Revisions through March
1988)63.25-3
ANSI/UL-296, Standard for Oil Burn-
ers, Seventh Edition, August 22,
1980 (Revisions through August
1985)63.15-5
ANSI/UL-343, Standard for Pumps for
Oil Burning Appliances, Sixth Edi-
tion, July 17, 1986.....63.15-5
ANSI/UL-1453, Standard for Electric
Booster and Commercial Storage
Tank Water Heaters, Third Edi-
tion, February 5, 1988.....63.25-3

American Gas Association

1515 Wilson Boulevard, Arlington, Virginia
22209
ANSI/AGA Z21.22-86 Relief Valves and
Automatic Shutoff Devices for Hot
Water Supply Systems, March 28,

1986.....63.25-3

[CGD 88-057, 55 FR 24238, June 15, 1990, as
amended by CGD 95-072, 60 FR 50463, Sept. 29,
1995; CGD 96-041, 61 FR 50728, Sept. 27, 1996;
CGD 97-057, 62 FR 51044, Sept. 30, 1997; CGD
95-028, 62 FR 51202, Sept. 30, 1997; USCG-1999-
6216, 64 FR 53225, Oct. 1, 1999; USCG-1999-5151,
64 FR 67180, Dec. 1, 1999]

Subpart 63.10—Miscellaneous Submittals

§ 63.10-1 Test procedures and certifi- cation report.

Two (2) copies of the following items
must be submitted. Visitors may de-
liver them to the Commanding Officer,
U.S. Coast Guard Marine Safety Cen-
ter, 1900 Half Street, SW., Suite 1000,
Room 525, Washington, DC 20024, or
they may be transmitted by mail to
Commanding Officer, U.S. Coast Guard
Marine Safety Center, JR10-0525, 2100
2nd Street, SW., Washington, DC 20593,
in a written or electronic format. In-
formation for submitting the VSP elec-
tronically can be found at [http://
www.uscg.mil/HQ/MSC](http://www.uscg.mil/HQ/MSC).

(a) Detailed instructions for oper-
ationally testing each automatic auxil-
iary boiler, its controls, and safety de-
vices.

(b) A certification report for each
automatic auxiliary boiler which:

(1) Meets paragraph CG-510 of ANSI/
ASME CSD-1a; and

(2) Certifies that each automatic aux-
iliary boiler, its controls, and safety
devices comply with the additional re-
quirements of this part.

[CGD 88-057, 55 FR 24238, June 15, 1990, as
amended by USCG-2007-29018, 72 FR 53965,
Sept. 21, 2007]

Subpart 63.15—General Requirements

§ 63.15-1 General.

(a) Each automatic auxiliary boiler
must be designed and constructed for
its intended service according to the
requirements of the parts referenced in
§ 54.01-5, Table 54.01-5(A) of this chap-
ter.

(b) Controls and safety devices for
automatic auxiliary boilers must meet
the applicable requirements of ANSI/
ASME CSD-1/CSD-1a, except Para-
graph CG-310.